

FIG.1 COMPUTER NETWORK SYSTEM

107E50-16072860

COMMANDS	FUNCTIONS
HELO	START SENDING BY SMTP
MAIL	SPECIFY SENDER'S ADDRESS
RCPT	SPECIFY RECEIVER'S ADDRESS
DATA	START SENDING OF MAIL DATA
QUIT	END SMTP CONNECTION

**FIG.2** BASIC COMMANDS OF SMTP

0987401460-0000

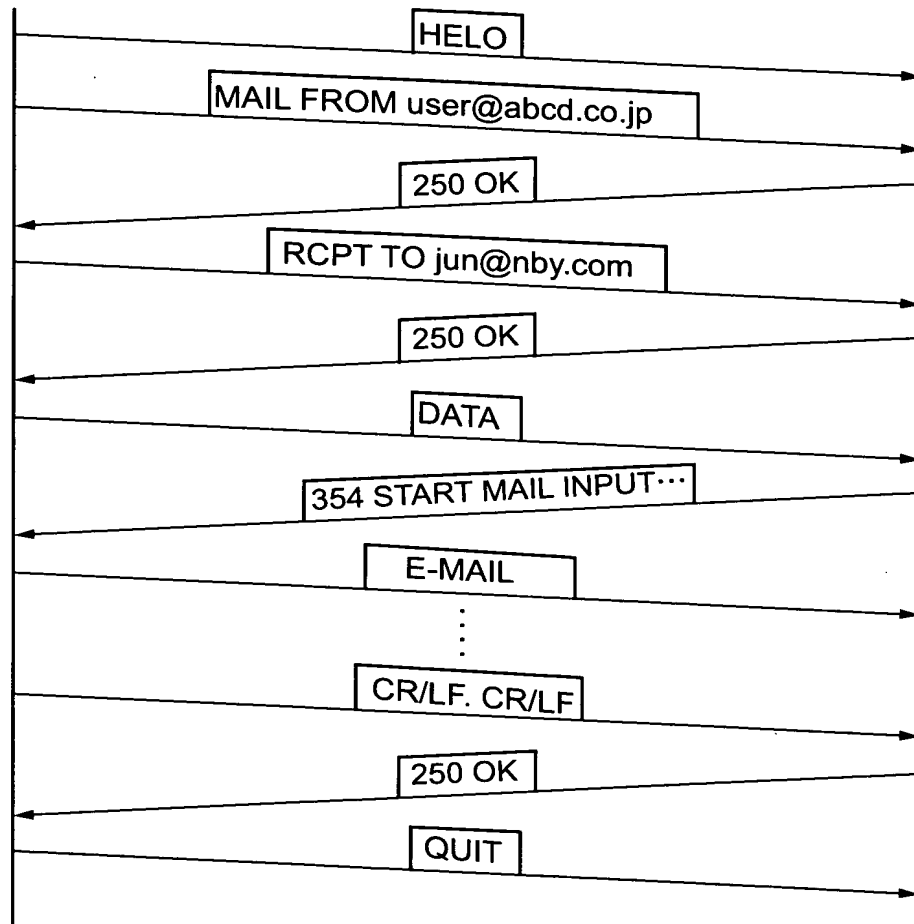


FIG.3 SEND E-MAIL BY SMTP

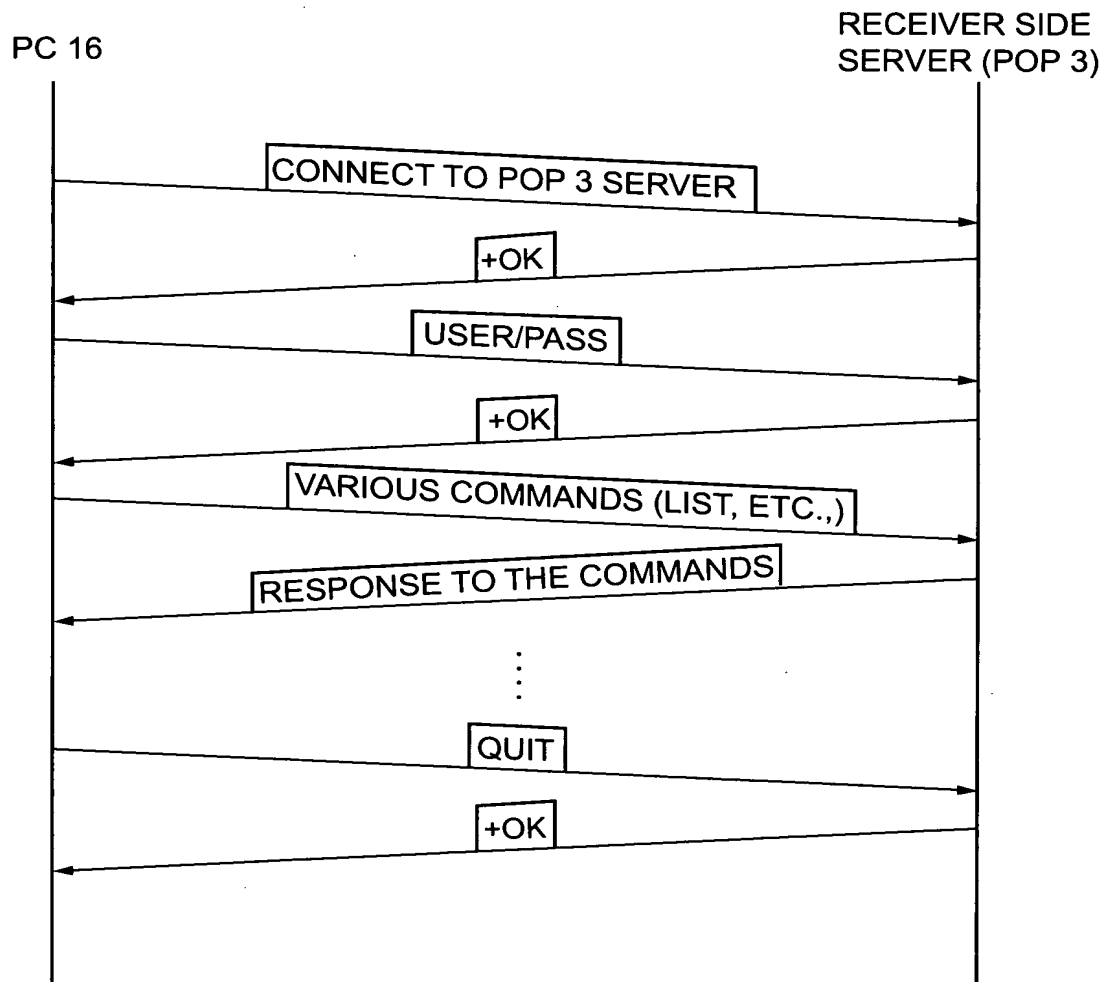
TOP SECRET

COMMANDS	FUNCTIONS
USER	SPECIFY USER NAME
PASS	SPECIFY PASSWORD
LIST	MAIL NO. AND SIZE RETURNED IN RESPONSE TO INQUIRY OF MAIL LIST
RETR	READ A MAIL OF SPECIFIED MAIL NO.
DELE	DELETE THE MAIL SPECIFIED
QUIT	EXECUTE UPDATING OF THE MAIL BOX, THEN END COMMUNICATION OF POP 3

**FIG.4** BASIC COMMANDS OF POP3

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0987104-0510  
F01E50-16012860



**FIG.5** E-MAIL READOUT PROCEDURE BY POP 3

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FIG. 6

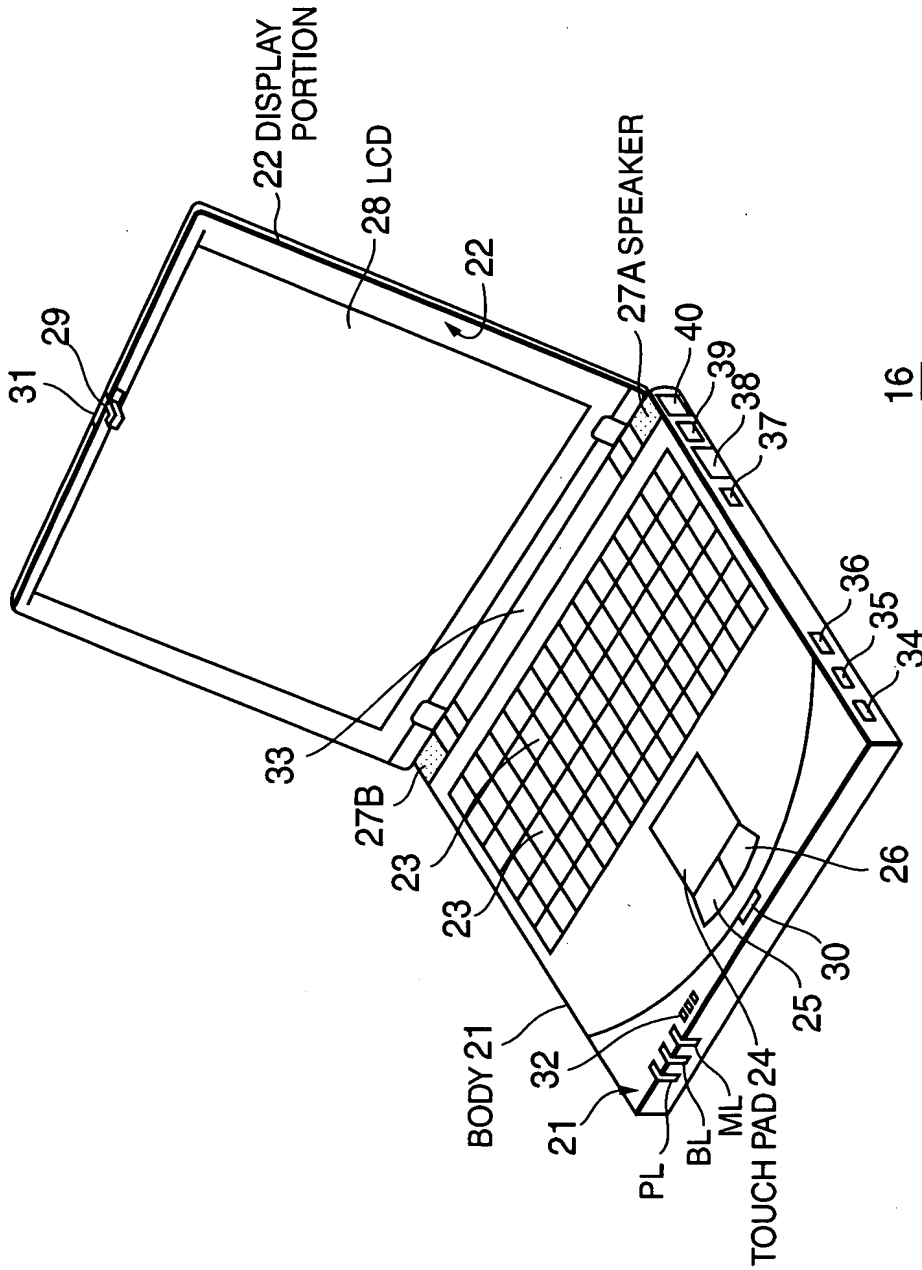


FIG. 6 ARRANGEMENT OF PC

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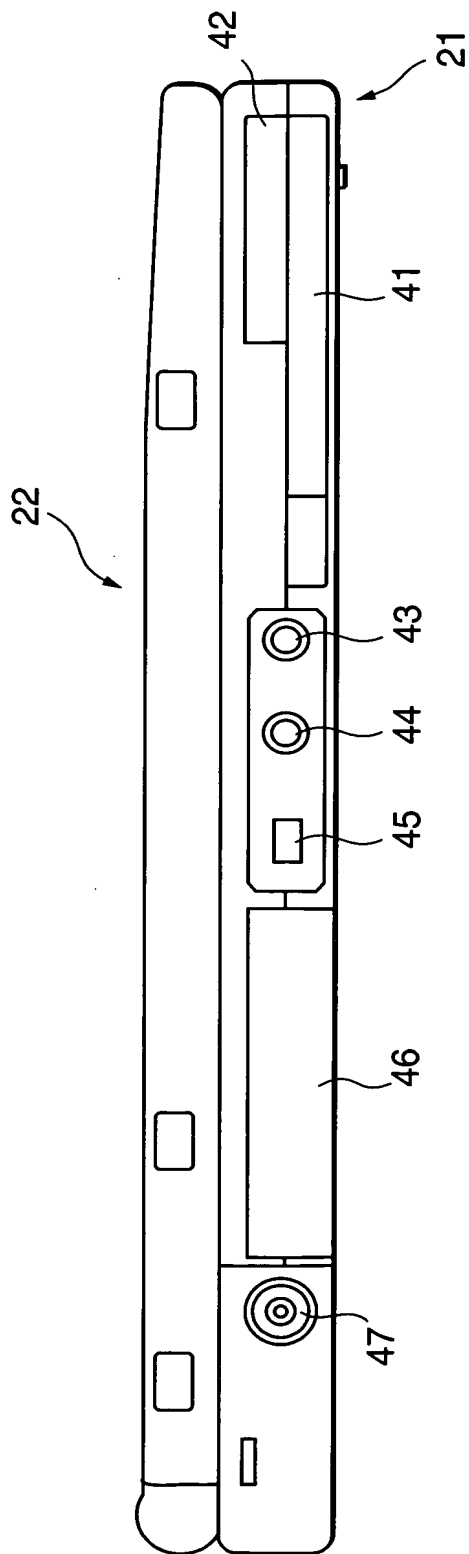
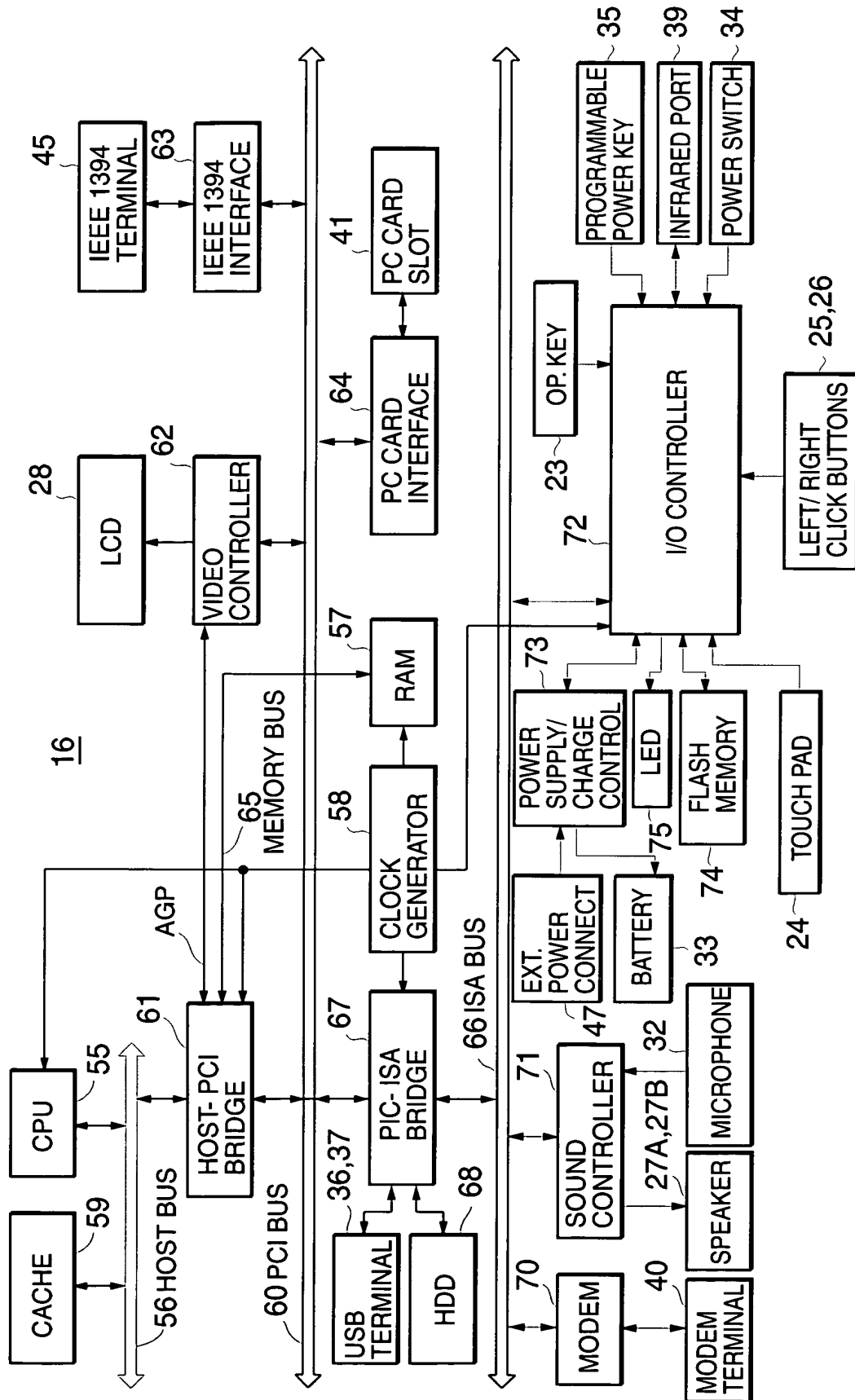


FIG. 7 LEFT-HAND SIDE ARRANGEMENT OF PC

TOP SECRET

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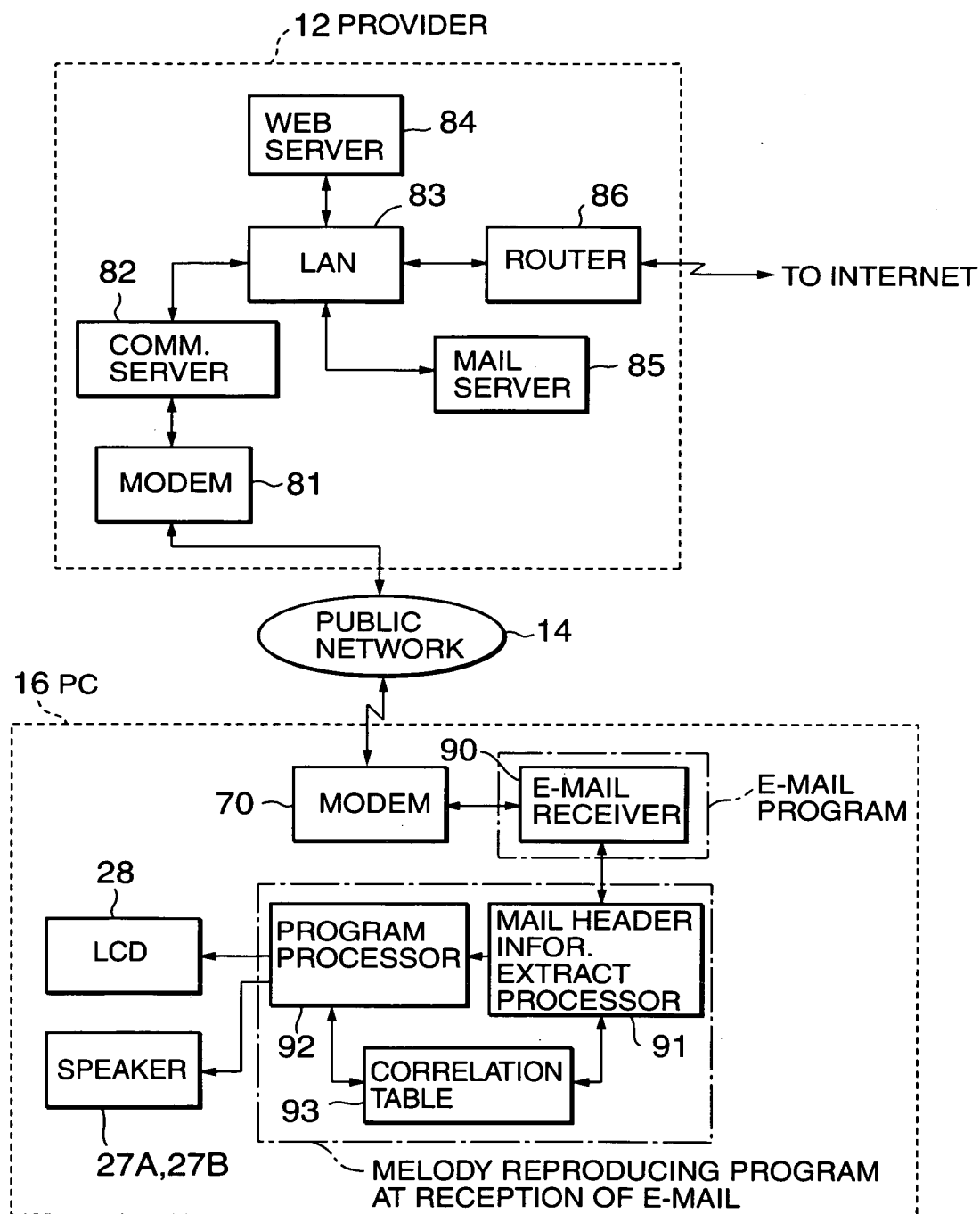


**FIG.8** CIRCUIT CONFIGURATION OF PERSONAL COMPUTER



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FIG. 9



**FIG.9** E-MAIL RECEIVE PROCESSING  
BETWEEN PROVIDER AND PC

TOP SECRET 2360

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RECEIVE MELODY CLUB!

FILE(F) ADDRESS(A) REC. MELODY(M) TOOL(T) HELP(H)

MAIL ADDRESS (L)

DISPLAY ADDRESSES CONTAINING THE FOLLOWING CHARACTERS

NAMES	ADDRESSES
ABCDEF	abc@def.hif.com
TEST	test@abc.abcd.co.jp
REC. MELODY TARO	ukemoro@test.abcd.co.jp

REC. MELODY (M)

TITLES OF MUSIC	NAMES OF ARTISTS
(DON'T SOUND MELODY)	
Melody_A	Artist_A
Melody_B	Artist_B
Melody_C	Artist_C
MUSIC_1	Artist_D
MUSIC_2	Artist_E
MUSIC_3	Artist_F

111 MAIL ADDRESS DISPLAY PORTION

112 MUSIC FILE DISPLAY PORTION

FIG.10 SET-UP SCREEN

120

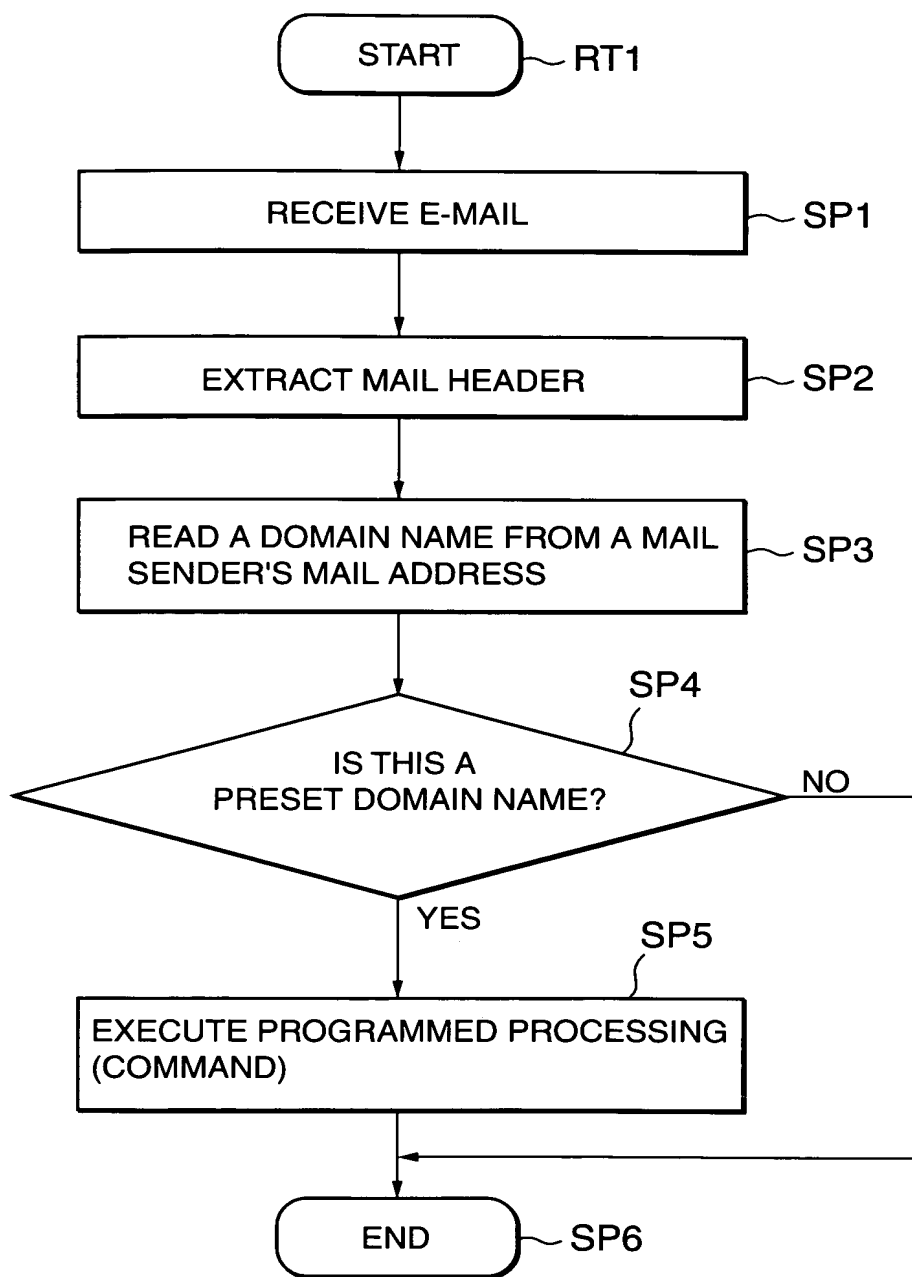
RECEIVE MELODY REPRODUCING LIST

TITLE OF MUSIC : Melody\_A      NAME OF ARTIST : Artist\_A

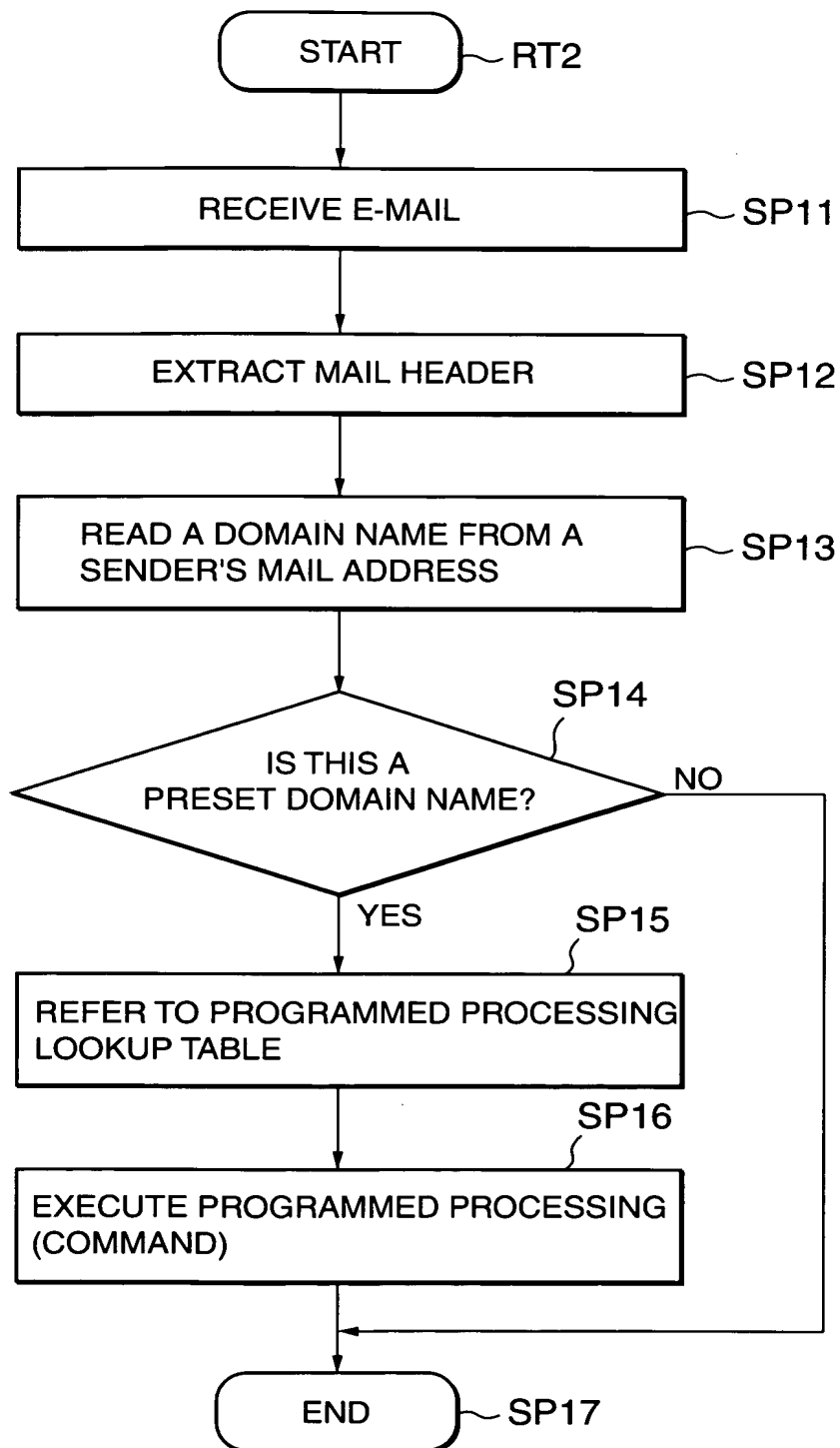
STOP REPLAY (S)      CLOSE (C)

FIG.11 MUSIC TITLE DISPLAY SCREEN ON RECEIVING E-MAIL

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**FIG.12** COMMAND EXECUTION PROCEDURE 1  
ON RECEIVING E-MAIL



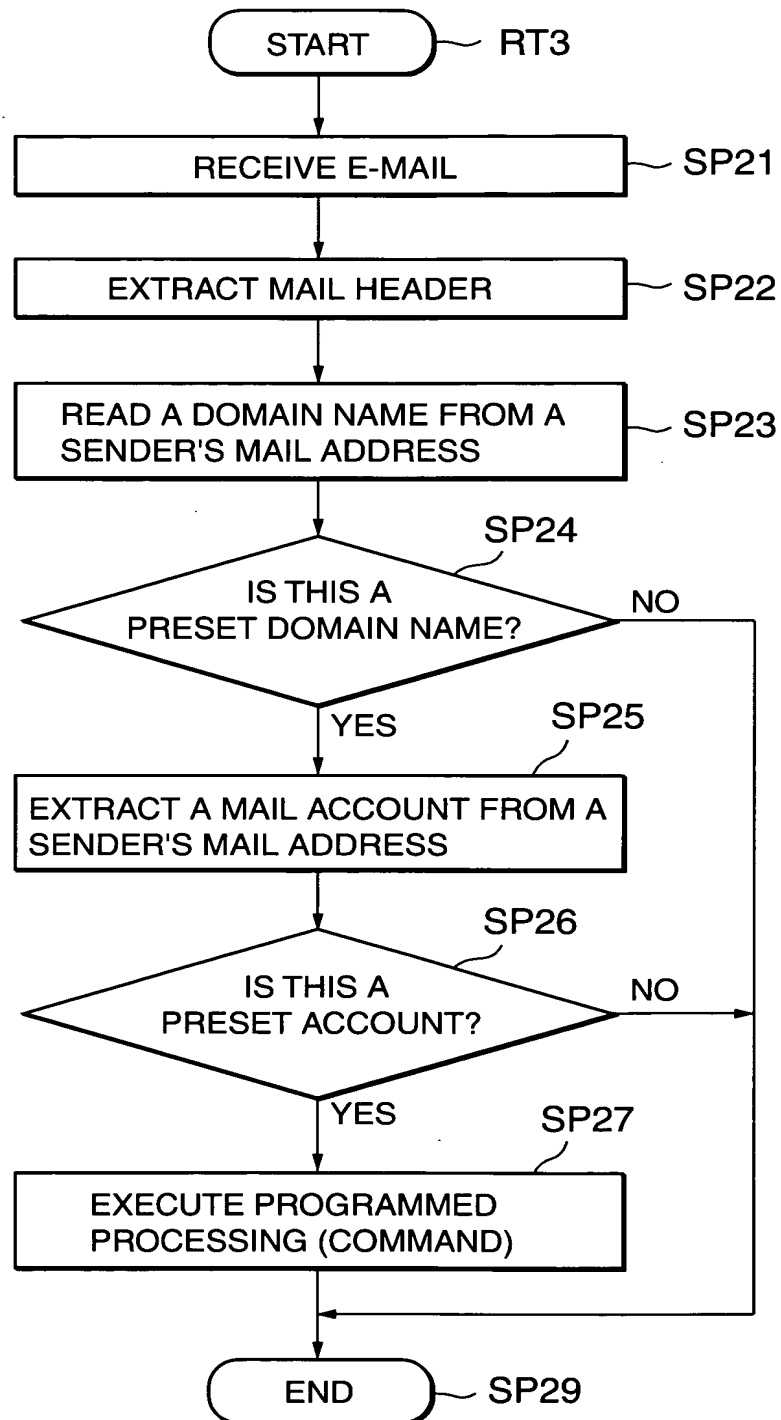
**FIG.13** COMMAND EXECUTION PROCEDURE 2  
ON RECEIVING E-MAIL

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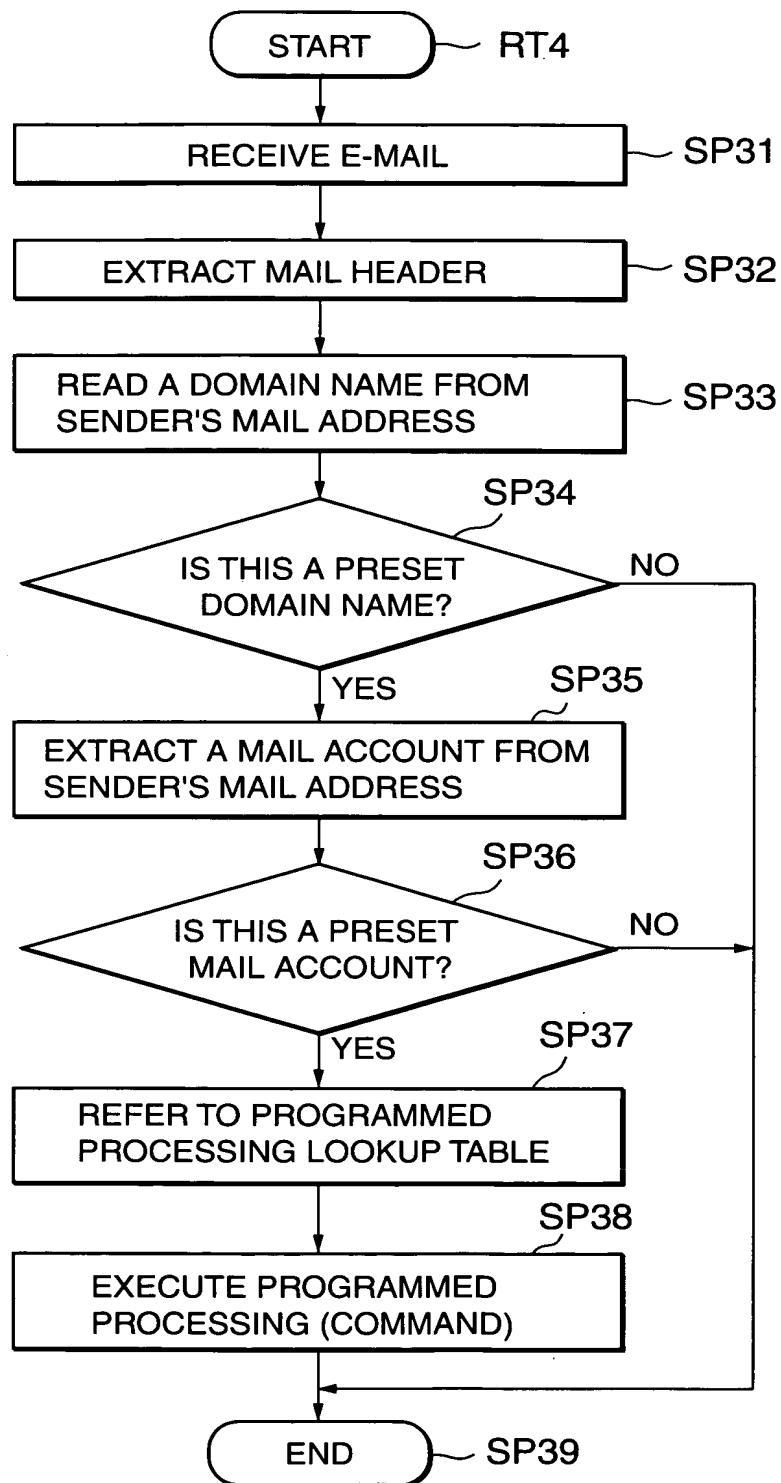
DOMAIN NAMES	FILES
abcd. co. jp	File A (Melody A, Artist A)
efgh. co. jp	File B (Melody B, Artist B)
• • • •	• • • •

**FIG.14** PROGRAMMED PROCESSING LOOKUP TABLE  
CORRESPONDING TO DOMAIN NAMES

TOP SECRET



**FIG.15** COMMAND EXECUTION PROCEDURE 3  
ON RECEIVING E-MAIL



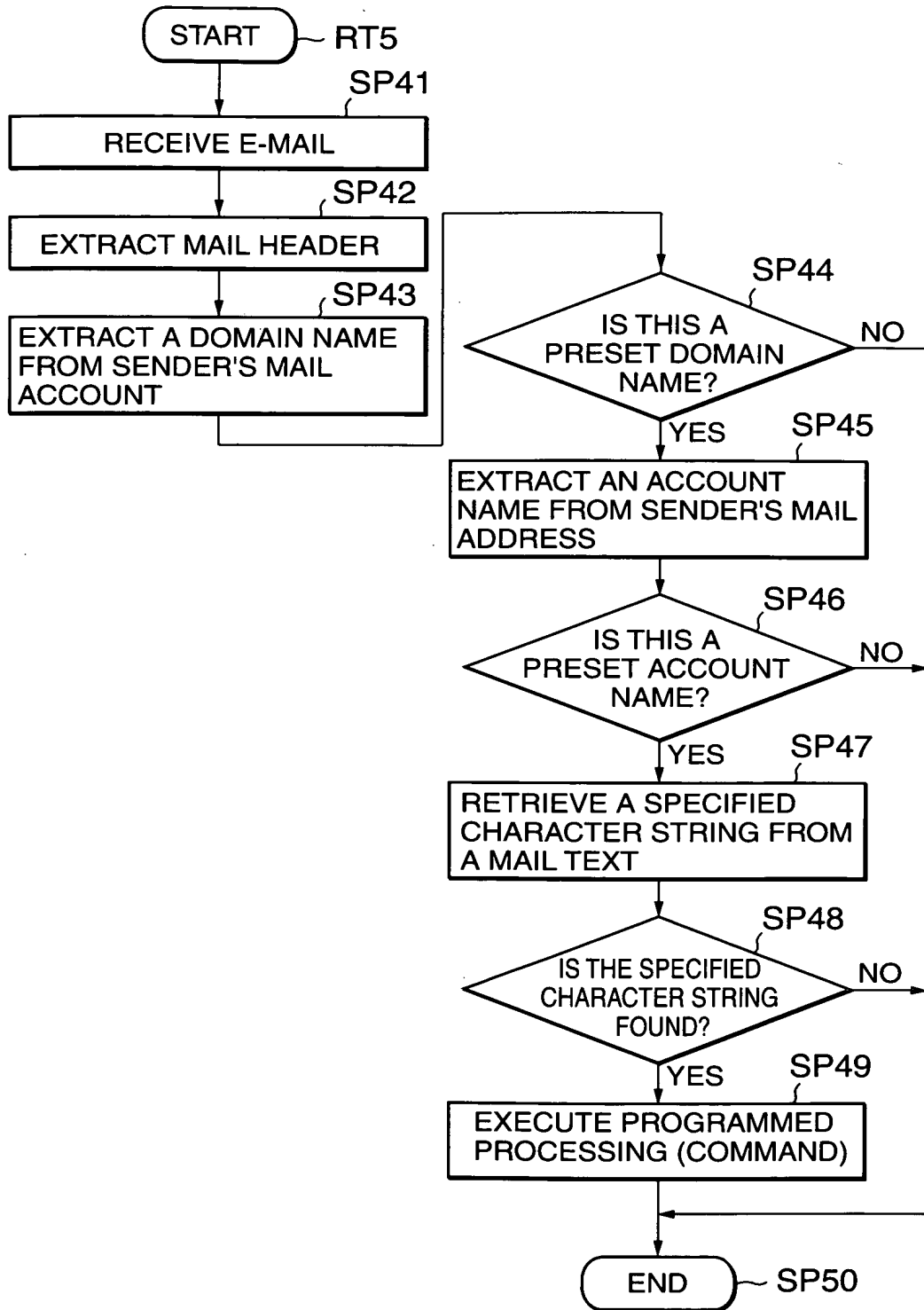
**FIG.16** COMMAND EXECUTION PROCEDURE 4 ON RECEIVING E-MAIL



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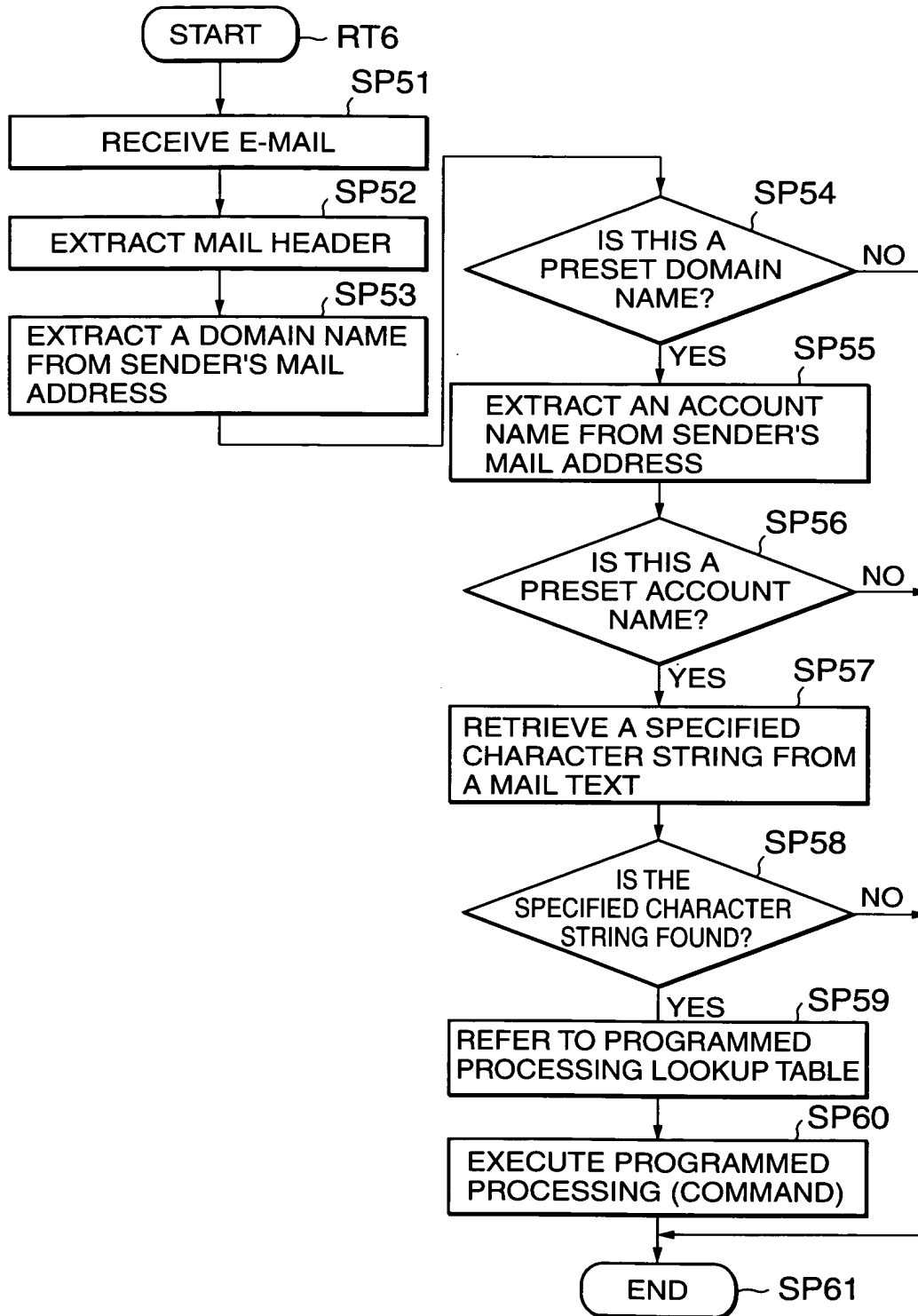
MAIL ACCOUNTS	CHARACTER STRINGS
ukemero	File A (Melody A, Artist A)
TEST	File 1 (MUSIC 1, Artist D)
ABCDEF	File 3 (MUSIC 3, Artist F)
• • • •	• • • •

**FIG.17** PROGRAMMED PROCESSING LOOKUP TABLE  
CORRESPONDING TO MAIL ACCOUNTS



**FIG.18** COMMAND EXECUTION PROCEDURE 5  
ON RECEIVING E-MAIL

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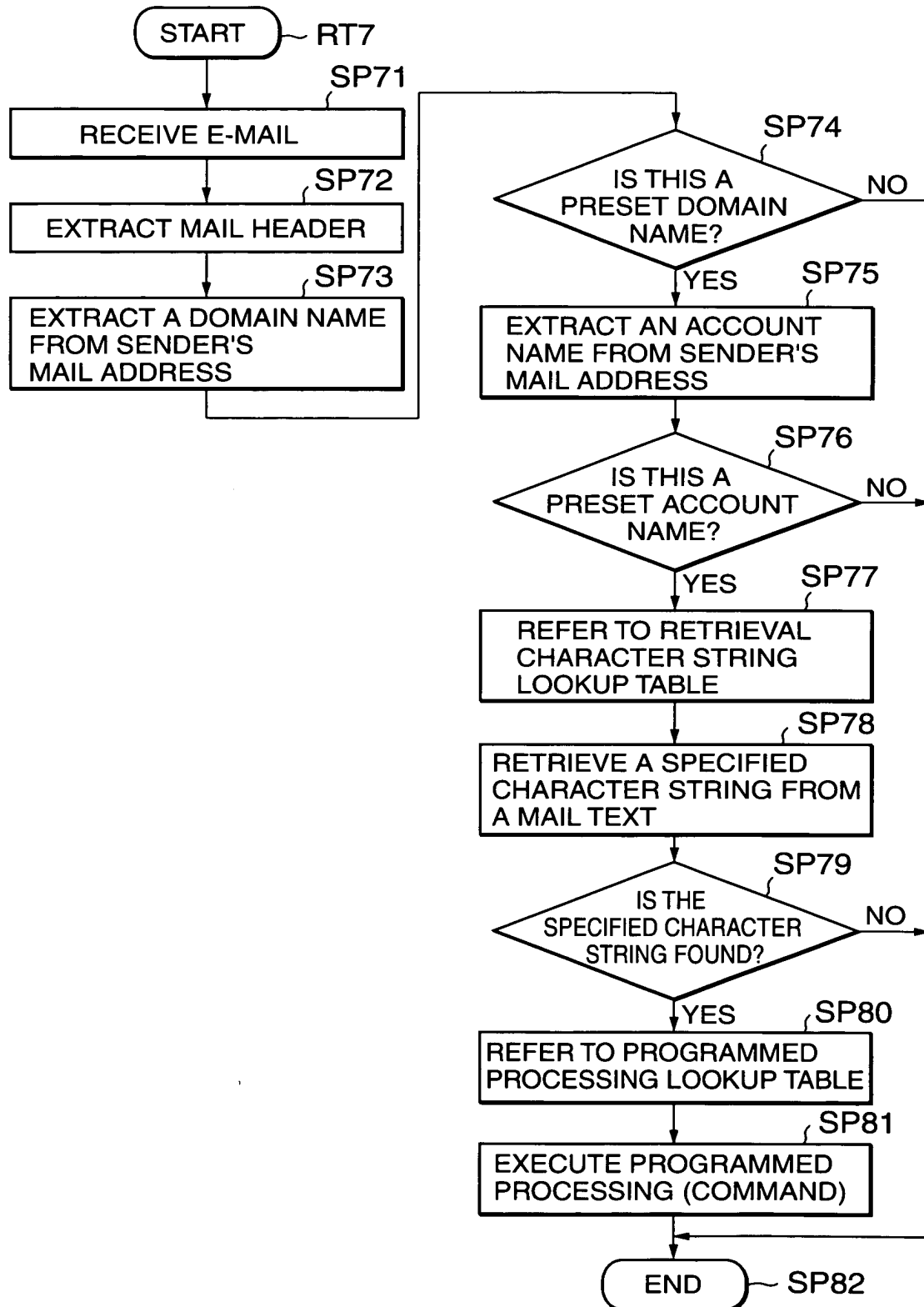
**FIG.19** COMMAND EXECUTION PROCEDURE 6 ON RECEIVING E-MAIL

150

CHARACTER STRINGS	FILES
HELLO	File 5 (MUSIC 2, Artist E)
TARO YAMADA	File C (Melody C, Artist C)
• • • •	• • • •

**FIG.20** PROGRAMMED PROCESSING LOOKUP TABLE  
CORRESPONDING TO CHARACTER STRINGS

FIG. 20-1601-2300



**FIG.21** COMMAND EXECUTION PROCEDURE 7  
ON RECEIVING E-MAIL

0001004-053104

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MAIL ACCOUNTS	CHARACTER STRINGS
ukemero	HELLO
TEST	TARO YAMADA
ABCDEF	GOOD EVENING
⋮	⋮

**FIG.22** RETRIEVAL CHARACTER STRING LOOKUP TABLE  
CORRESPONDING TO MAIL ACCOUNTS

FIG. 23

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NO	MAIL ACCOUNT (CHARACTER STRING PRECEDING @)	COMMANDS	CONTENTS OF PROCESSING
1	URL ¥ ARGUMENT (=abc.defg.co.jp)	GetURL (ARGUMENT)	START THE BROWSER, THEN OPEN A WEB PAGE CORRESPONDING TO ARGUMENT (=abc.defg.co.jp)
2	SAY ¥ ARGUMENT (=HELLO_1)	SAY (ARGUMENT)	REPRODUCE A MUSIC FILE NAMED ARGUMENT (=HELLO_1) TO OUTPUT FROM THE SPEAKER
3	POP ¥ ARGUMENT (=MSG_A)	POPUP (ARGUMENT)	OPEN THE POPUP WINDOW, AND DISPLAY CONTENTS OF THE FILE NAMED ARGUMENT (=MSG_A)
4			

...

**FIG.23** PROGRAMMED PROCESSING LOOKUP TABLE ACCORDING TO ANOTHER EMBODIMENT OF THE INVENTION

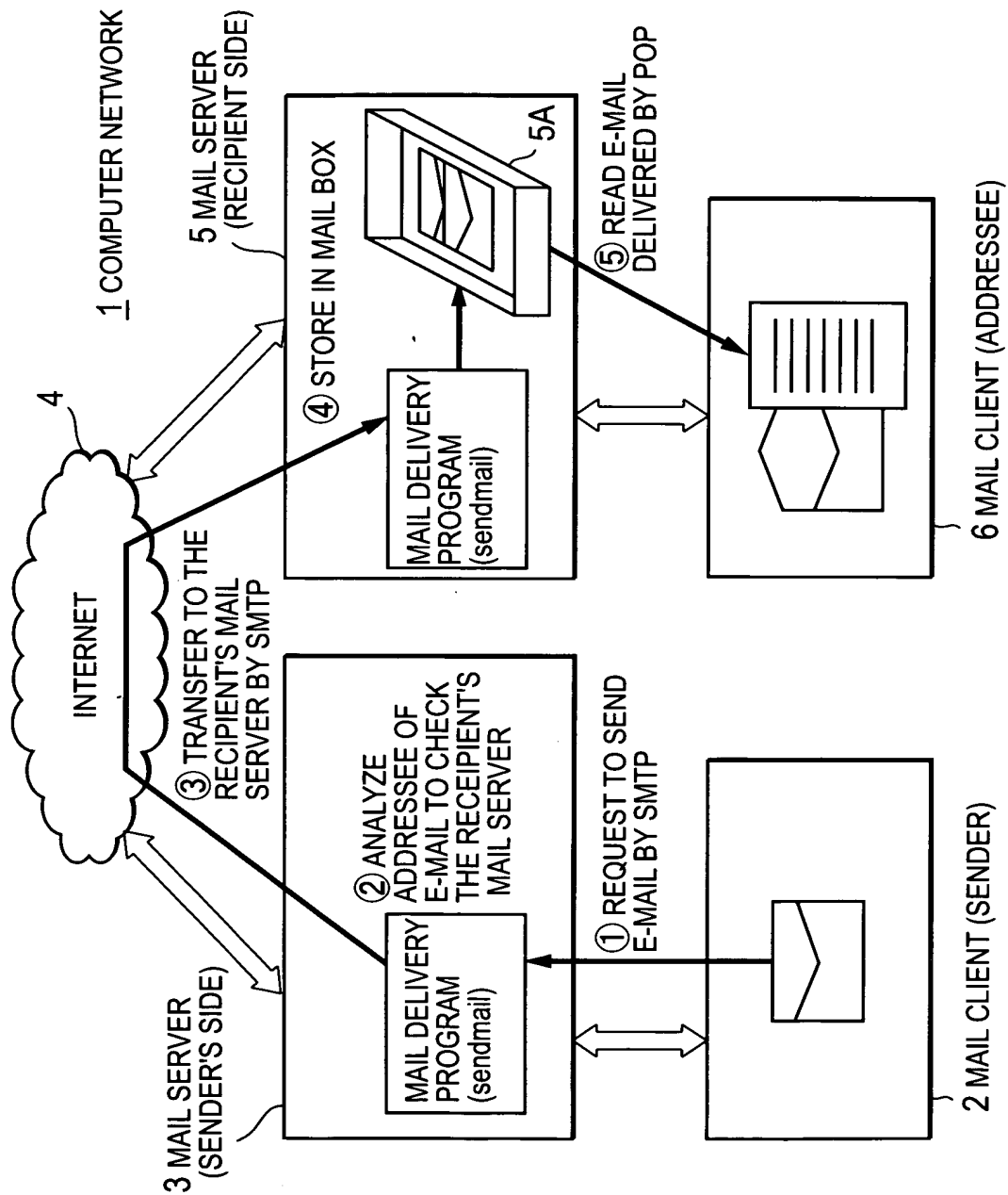


FIG.24 E-MAIL DELIVERY CONFIGURATION